

## blond belgian

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- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **33**
- SRM **6.6**
- Style **Belgian Blond Ale**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **22.4 liter(s)**

### Steps

- Temp **54 C**, Time **10 min**
- Temp **62 C**, Time **20 min**
- Temp **68 C**, Time **50 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **16.8 liter(s)** of strike water to **59.7C**
- Add grains
- Keep mash **10 min** at **54C**
- Keep mash **20 min** at **62C**
- Keep mash **50 min** at **68C**
- Keep mash **30 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **14.1 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (82%)	80 %	4
Grain	Biscuit Malt	0.5 kg (8.2%)	79 %	45
Grain	Aroma CastleMalting	0.1 kg (1.6%)	78 %	100
Sugar	Cukier kandyzowany jasny	0.5 kg (8.2%)	90 %	5

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	30 g	60 min	9.4 %
Aroma (end of boil)	Kazbek	35 g	10 min	4.6 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Belgian yeast	Ale	Dry	10 g	G